

DOE ACCIDENT INVESTIGATOR TRAINING
Sample Agenda

DAY & TIME	TOPIC	PRESENTER
Monday		
8:00—9:30	Welcome	
	Introductions and Announcements	
	Module 1: Accident Investigation Process	
	<ul style="list-style-type: none">• Accident Investigation Process – DOE Order 225.1A, <i>Accident Investigations</i>• Roles and Responsibilities	
9:45 -10:15	Module 2: Planning and Scheduling	
	<ul style="list-style-type: none">• Essentials of Planning• Introduction to the Day Planner• Scheduling	
10:15 – 10:30	Module 3: Teamwork	
	<ul style="list-style-type: none">• Team Development• Essentials of Teamwork	
10:30 – 10:45	Accident Scenario Presentation	
10:45 – 11:45	Exercise 1: Introduction to the Accident Scenario	Facilitators
11:45 - 12:00	Exercise 1: Presentation	Groups
12:00 – 1:00	Lunch	
1:00 – 1:45	Module 4: DOE Framework for Investigating and Analyzing Accidents	
1:45 – 2:15	Module 5: Report Writing	
2:30 – 6:00	Module 6: Collecting and Controlling Evidence	
	<ul style="list-style-type: none">• Human Evidence (including interviewing)• Physical Evidence• Documentary Evidence• Preserving and Controlling Evidence	

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DAY & TIME	TOPIC	PRESENTER
Tuesday		
7:30—8:30	Module 7: Events and Causal Factors Charting <ul style="list-style-type: none"> • Events & causal factors chart development • Symbols, color scheme • Terminology/definitions • Events, conditions, & assumed events and conclusions 	
8:30—10:30	Exercise 2: Initial Events and Causal Factors Chart Development	Facilitators
10:30—10:45	Discussion of Exercise 2	Groups
10:45—11:25	Module 4 (continued): DOE Accident Investigation Framework	
11:25—11:30	Introduction to Exercise 3	
11:30—12:30	Lunch	
12:30—2:45	Exercise 3: Events and Causal Factors Chart Refinement	Facilitators
2:45—3:00	Exercise 3: Presentation	Groups
3:00 – 3:30	Module 8: Barrier Analysis <ul style="list-style-type: none"> • Overview • Techniques • Reporting results 	
3:30—5:30	Exercise 4: Perform a Barrier Analysis, revise the events and causal factors chart, and write the barrier analysis portion of the report	Facilitators

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DAY & TIME	TOPIC	PRESENTER
Wednesday		
7:30—7:45	Exercise 4: Presentation	Groups
7:45—8:15	Module 9: Change Analysis <ul style="list-style-type: none"> • Overview • Techniques • Reporting Results 	
8:15—10:15	Exercise 5: Perform a Change Analysis, revise the events and causal factors chart, and write the change analysis portion of the report	Facilitators
10:15 - 10:30	Exercise 5: Presentation	
10:30 - 11:30	Module 10: Events and Causal Factors Analysis <ul style="list-style-type: none"> • Analysis of E&CF chart • Identification of Causal Factors 	
11:30 – 13:30	Lunch	
12:30 - 3:00	Exercise 6: Events and Causal Factors Chart Analysis, determine whether causal factors exist for each event	Groups
3:00 - 4:00	Module 11: Root Cause Analysis <ul style="list-style-type: none"> • Overview • Techniques • Reporting results 	
4:00 – 5:30	Exercise 7: Perform a Root Cause Analysis, identifying the direct, contributing, and root causes; write the causal factor section of the report.	Facilitators

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DAY & TIME	TOPIC	PRESENTER
Thursday		
7:300 – 9:45	Exercise 7: Continuation	Facilitators
9:45—10:00	Exercise 7: Presentation	Groups
10:00 – 11:00	Module 12: Introduction to Other Analytical Techniques <ul style="list-style-type: none"> • Analytical Trees • MORT • Other • Integration of Test and Analytical Results 	
11:00 – 11:30	Module 13: Conclusions and Judgments of Need <ul style="list-style-type: none"> • Conclusions • Judgments of Need • Reporting Results 	
11:30 – 12:30	Lunch	
12:30—1:00	Module 14: Requirements Verification Analysis	
1:00 - 3:00	Exercise 8: Developing Conclusions and Judgments of Need, write the conclusion and Judgments of Need portion of the report	Facilitators
3:00 - 5:00	Exercise 9: Perform a Requirements Verification Analysis, finalize report	Facilitators
5:00 - 5:30	Exercise 9: Presentation	Groups
Friday		
7:30—9:30	Exercise 10: Report Briefing Preparation	Facilitators
9:30—11:00	Exercise 10: Presentation of Reports	Groups
11:00 – 11:30	Module 15: Course Wrap-up	